Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/16/2020 12:11 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123902	-1	2.23	123992	2.24
Blue	F	SSC	125000	123203	-2	1.65	124032	1.66
Blue	E	FITC	15892	15348	-4	3.05	336	20.25
Blue	D	PE	29999	29303	-3	2.27	639	15.44
Blue	B	PerCP-Cy5-5	43732	42815	-3	3.95	1149	21.02
Blue	A	PE-Cy7	30845	30169	-3	6.79	582	41.87
Red	C	APC	46112	45198	-2	2.42	1602	11.91
Red	A	APC-Cy7	30458	29457	-4	2.50	780	11.89
Violet	B	V450	7918	7373	-7	4.82	418	13.75
Violet	A	V500	32171	30901	-4	4.65	723	10.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17154	11.50	625	4	N/A	N/A	Pass
Blue	F	SSC	56192	1.49	565	6	N/A	N/A	Pass
Blue	E	FITC	60	65.09	545	2	0.0196	129	Pass
Blue	D	PE	133	51.07	551	3	0.1403	234	Pass
Blue	B	PerCP-Cy5-5	211	50.80	657	1	0.0085	38	Pass
Blue	A	PE-Cy7	106	102.96	702	4	0.0102	11	Pass
Red	C	APC	382	25.17	588	4	0.0257	195	Pass
Red	A	APC-Cy7	171	28.63	560	4	0.0057	949	Pass
Violet	B	V450	64	61.05	465	7	0.0454	1930	Pass
Violet	A	V500	108	33.81	482	8	0.0218	671	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.88	-31.37	0.95
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.48
Red	17.34	13.60 - 20.40	N/A	N/A	29.04	29.59	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10030

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments